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(71) Applicant: MAZDA MOTOR CORP

(72) Inventor: TETSUNO MASAYUKI

MAMIYA KIYOTAKA

IMADA MICHIIRO

(54) ENGINE CONTROL DEVICE

(57) Abstract:

PROBLEM TO BE SOLVED: To rapidly vary engine control values such as ignition timing according to an abrupt change in operating conditions by the switchover of fuel injection configuration.

SOLUTION: A device to control an engine in which fuel is injected directly into a combustion chamber is provided with injection configuration switchover means 44 which switch over fuel injection configuration according to the operating conditions of the engine and control value calculating means 46 which calculate engine control values such as ignition timing according to the present operating conditions by the interpolation calculation based on the grid points set on a control map. Also the control map is set so that engine control val-

ues are discontinued in the boundary of the injection configurations. Then, when the operating conditions are located near the boundary of the injection configurations, the engine control values are determined based on the grid points only within the injection configuration area to which the operating conditions belong.

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